

Application No. 09/875,323
Response dated June 8, 2005
Reply to Office Action dated March 15, 2005
Attorney Docket No. 3833-010852

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A composition of matter comprising a reaction product obtained through partial curing of the following:

a) an epoxy composition comprising the reaction product of:

i) an epoxy resin,

ii) an anhydride component; and

iii) —

b) a polyol for promoting the reaction of said epoxy component and said anhydride component; and

~~b) c)~~ a visible light-emitting phosphor material, said phosphor material substantially uniformly distributed throughout said composition of matter through initial partial curing of said epoxy composition of component a) with to uniformly suspend said phosphor material of component c) uniformly suspended therein prior to partial curing of the reaction product of components a), b) and c).

2. (Previously Presented) A composition as in claim 1, wherein said epoxy resin comprises triglycidyl isocyanurate.

3. (Original) A composition as in claim 1, wherein said anhydride component comprises hexahydrophthalic anhydride.

4. Cancelled.

Application No. 09/875,323
Response dated June 8, 2005
Reply to Office Action dated March 15, 2005
Attorney Docket No. 3833-010852

5. (Previously Presented) A composition as in claim 1, wherein said polyol is selected from the group consisting of glycerol, trimethylol propane, ethylene glycol, diethylene glycol, propylene glycol, dipropylene glycol, and mixtures thereof.

6. (Original) A composition as in claim 1, wherein said phosphor material is capable of converting ultraviolet and blue light into visible white light.

7. (Previously Presented) A composition as in claim 1, wherein said epoxy resin comprises from about 20 weight percent to about 75 weight percent of said composition based on the total weight of the composition.

8. (Original) A composition as in claim 1, wherein said anhydride component comprises from about 20 weight percent to about 75 weight percent of said composition based on the total weight of the composition.

9. (Original) A composition as in claim 1, wherein said phosphor material comprises from about 0.5 weight percent to about 20 weight percent of said composition based on the total weight of the composition.

10. (Original) A composition as in claim 9, wherein said phosphor material comprises from about 5 weight percent to about 12 weight percent of said composition based on the total weight of the composition.

11. (Original) A molding compound comprising the composition of claim 1.

12. (Currently Amended) An encapsulant material for electronic components comprising a molding compound having a weight average molecular weight of about 5,000 to about 20,000, said molding compound comprising a reaction product of a partially cured epoxy composition having a phosphor material substantially uniformly distributed therethrough, wherein said molding compound is prepared by B-

Application No. 09/875,323
Response dated June 8, 2005
Reply to Office Action dated March 15, 2005
Attorney Docket No. 3833-010852

staging a partially cured mixture of said epoxy composition and said phosphor material which has been previously subjected to partial curing to increase the viscosity of said epoxy composition and suspend said phosphor material within said epoxy composition during mixing of said mixture.

13. (Original) An encapsulant material as in claim 12, wherein said partially cured epoxy composition has a weight average molecular weight of about 400 to about 1,000.

14. Cancelled.

15. (Previously Presented) An encapsulant material as in claim 12, wherein said epoxy composition comprises the reaction product of an epoxy resin and an anhydride.

16. Cancelled.

17. Cancelled.

18. Cancelled.

19. Cancelled.

20. Cancelled.

21. Cancelled.

22. Cancelled.

23. Cancelled.

(W0192845.1)

Application No. 09/875,323
Response dated June 8, 2005
Reply to Office Action dated March 15, 2005
Attorney Docket No. 3833-010852

24. Cancelled.

25. Cancelled.

26. Cancelled.

27. Cancelled.

28. Cancelled.

29. Cancelled.

30. Cancelled.

31. Cancelled.

32. Cancelled.